

U.S. Patent Application Serial No. 10/073,896
Response dated September 16, 2003
Reply to OA of August 1, 2003

AMENDMENTS TO THE ABSTRACT:

Amend the Abstract as follows:

A suction control unit in a plate suction and lifting device that can suck and lift even the plate with process holes or the corrugated plate by finding the suckable flat part of the plate. A suction control unit 1 controls a plate suction and lifting device 2 for lifting a plate W by sucking the flat part of the plate W by a suction pad 4. The suction control unit 1 is equipped with a suction pressure detecting means detector 19 and a retry control unit 29. The retry control unit 29 detects the suction pressure of the suction pad 4. The retry control unit 29 sucks the plate again if the suction pressure of the suction pressure detecting means detector 19 does not reach the set pressure when the suction pad 4 sucks the plate W. This suction is implemented again by changing the flat part of the plate W sucked by the suction pad 4.